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FIG. 1A

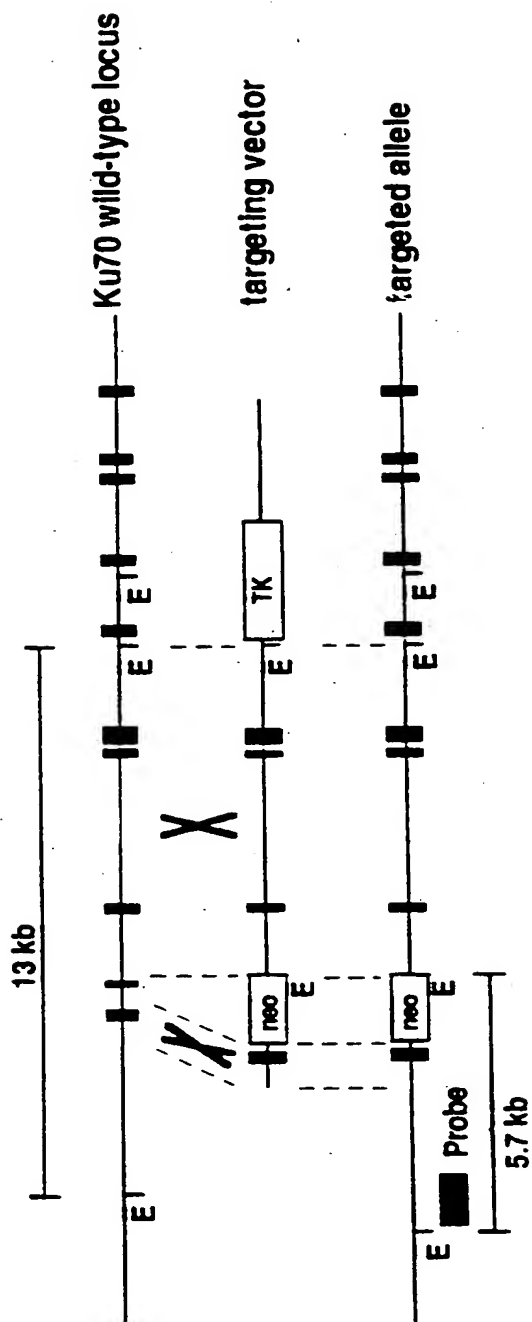


FIG. 1D

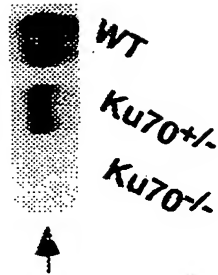


FIG. 1C

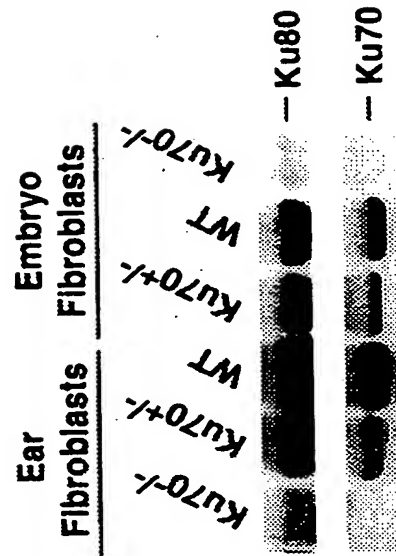
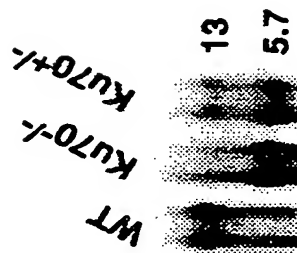


FIG. 1B



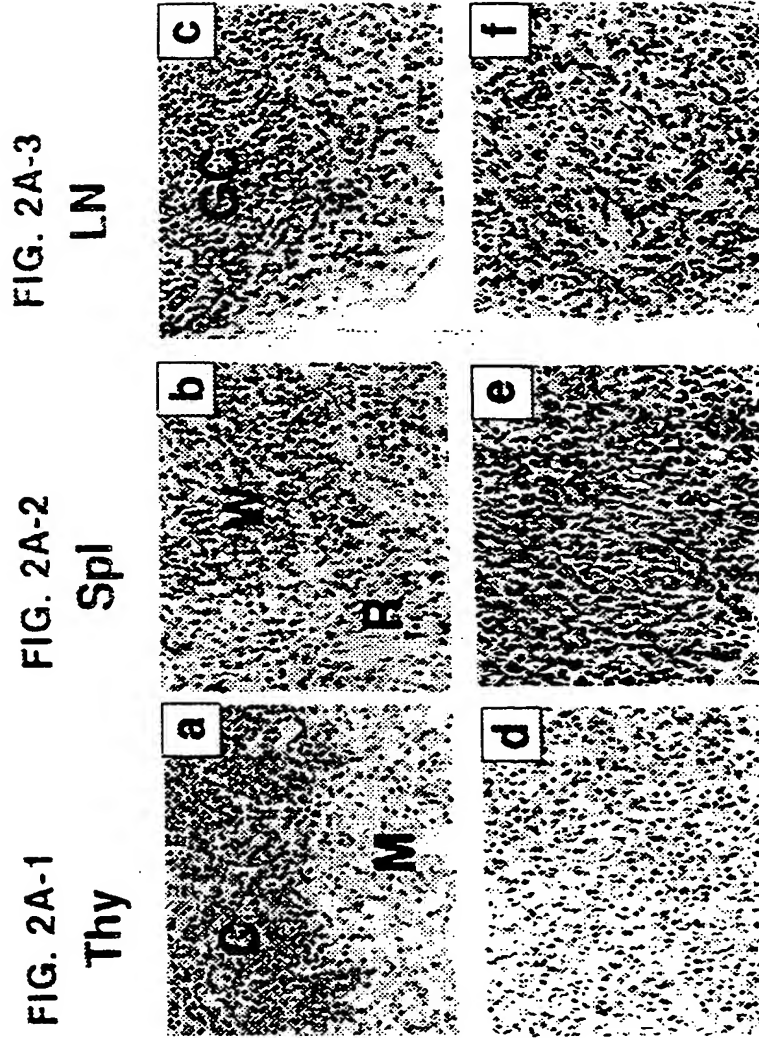


FIG. 2A-1

FIG. 2A-2

FIG. 2A-3

Thy

Spl

LN

wild type  
(HE)

Ku80-/-  
(HE)

FIG. 2A-4

FIG. 2A-5

FIG. 2A-6

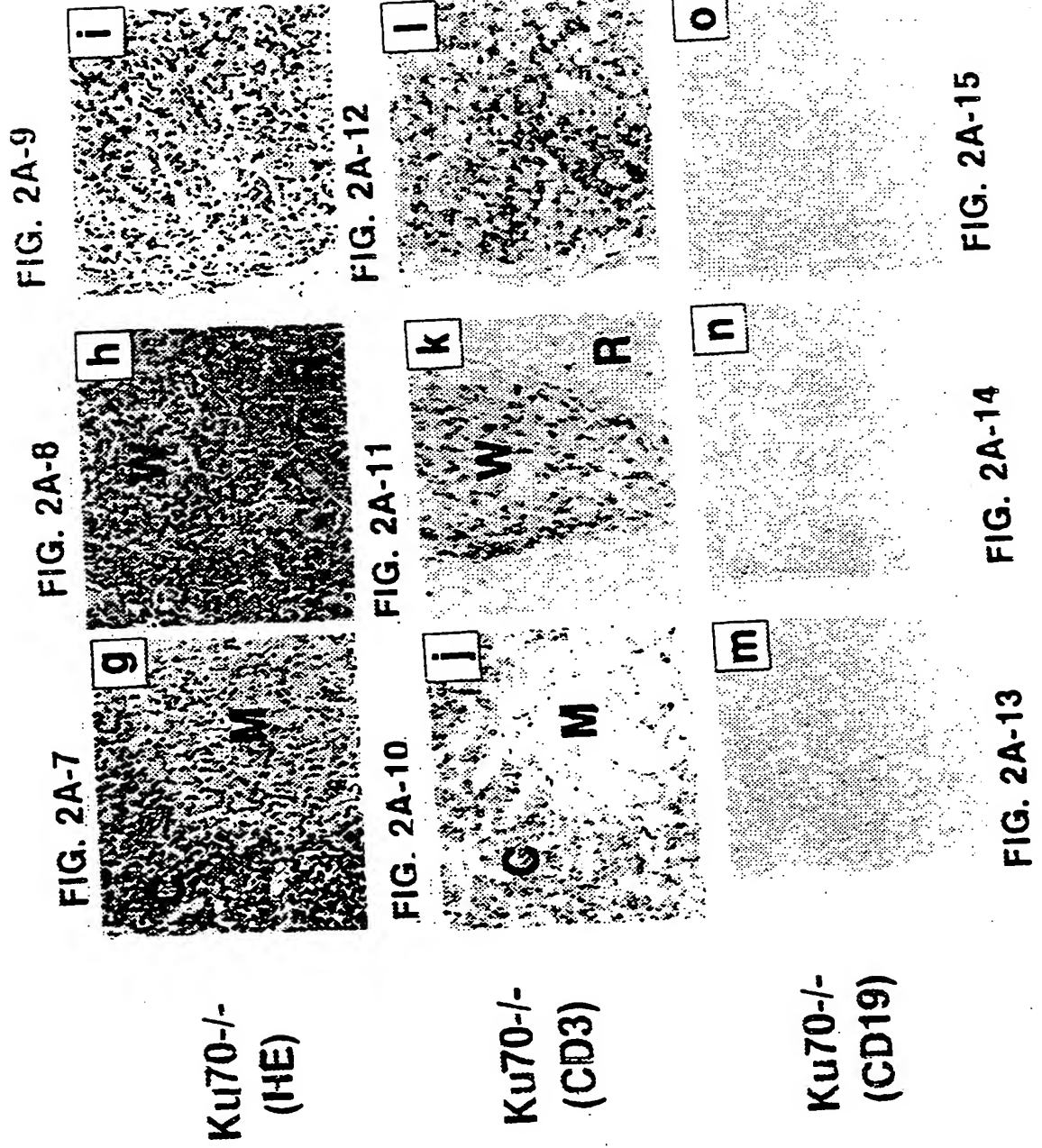


FIG. 2B-1

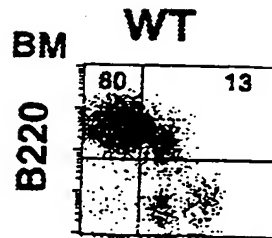


FIG. 2B-2

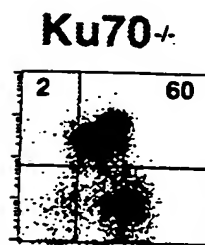
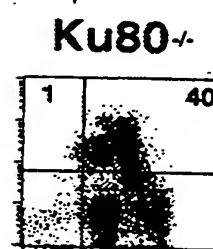


FIG. 2B-3



CD43

FIG. 2B-4

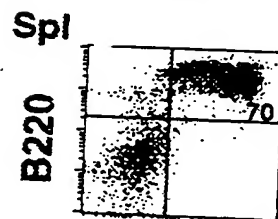


FIG. 2B-5

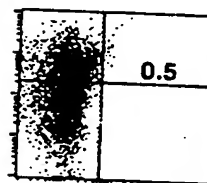
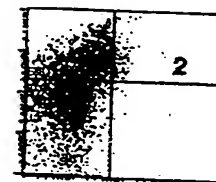


FIG. 2B-6



IgM

FIG. 2B-7

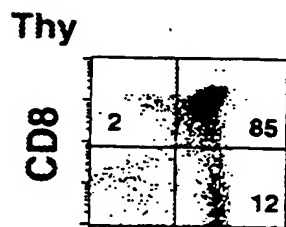


FIG. 2B-8

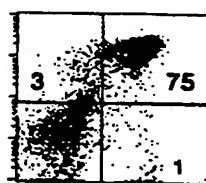
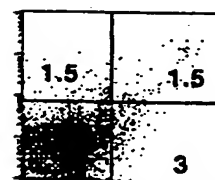


FIG. 2B-9



CD4

FIG. 2B-10

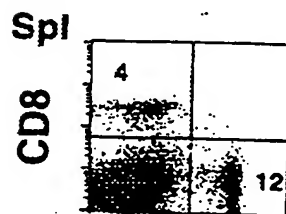
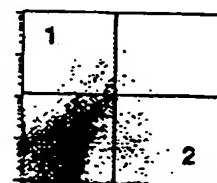


FIG. 2B-11



FIG. 2B-12



CD4

FIG. 2C-1

FIG. 2C-2

FIG. 2C-3

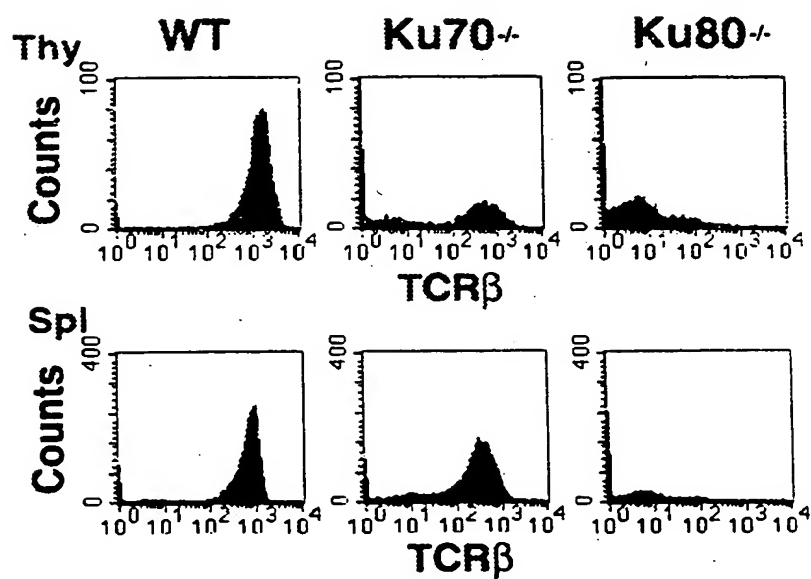


FIG. 2C-4

FIG. 2C-5

FIG. 2C-6

FIG. 3B

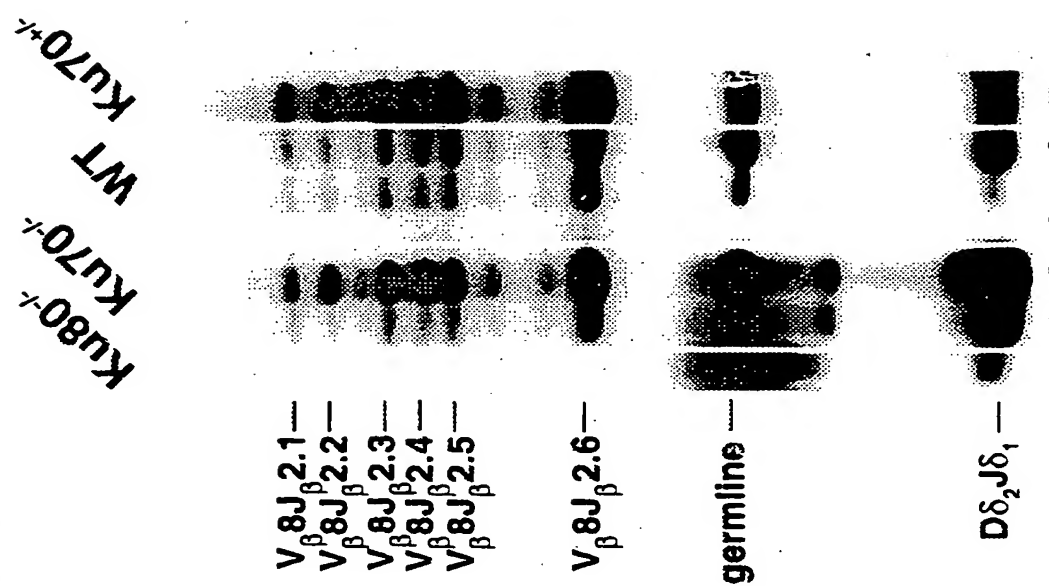
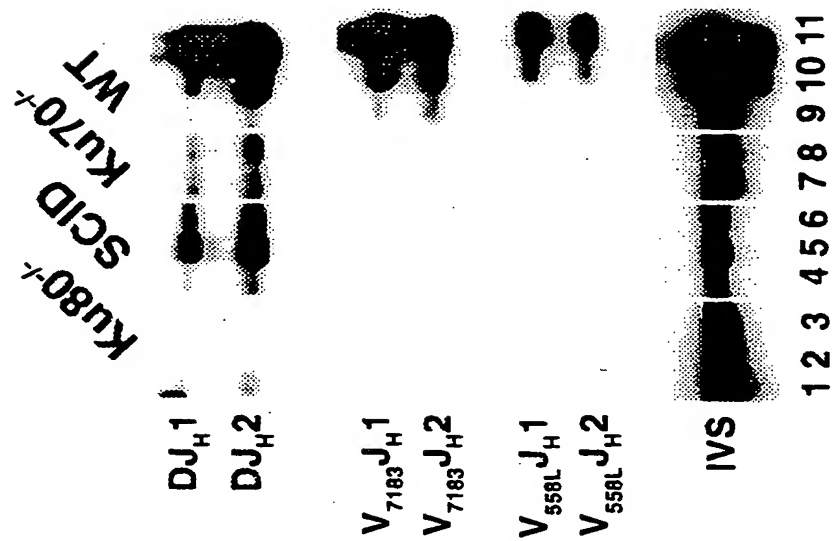


FIG. 3A





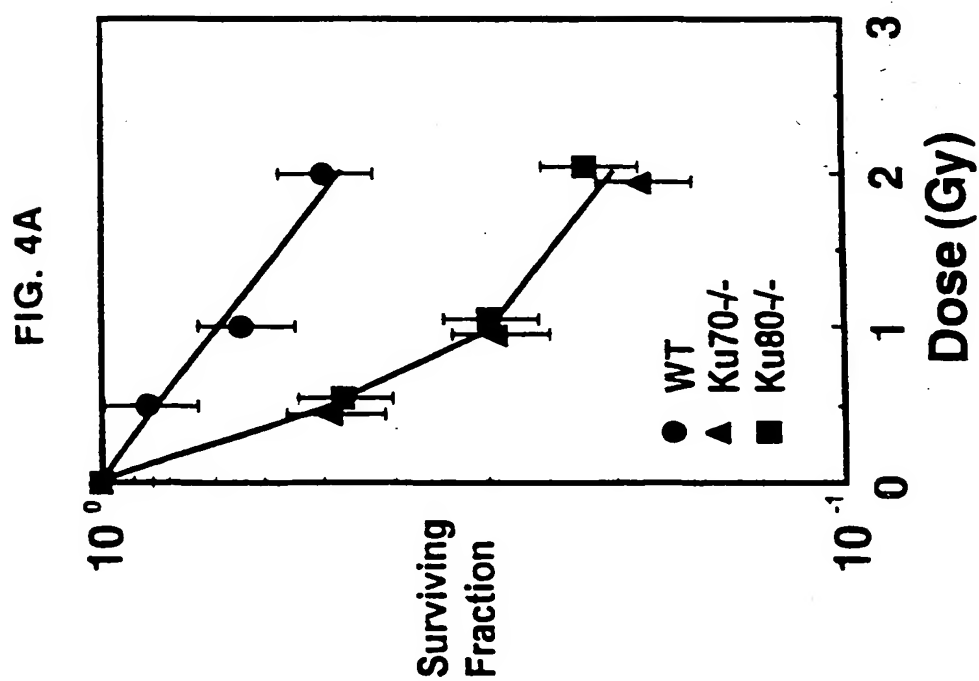
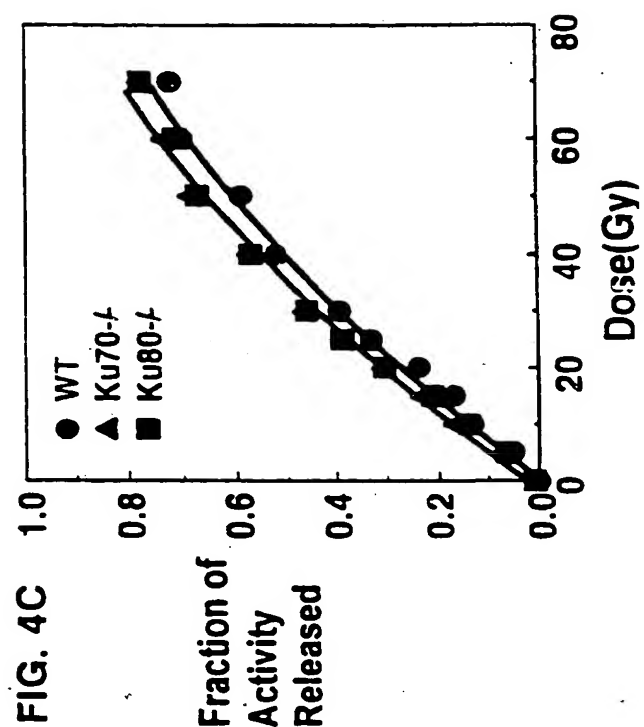
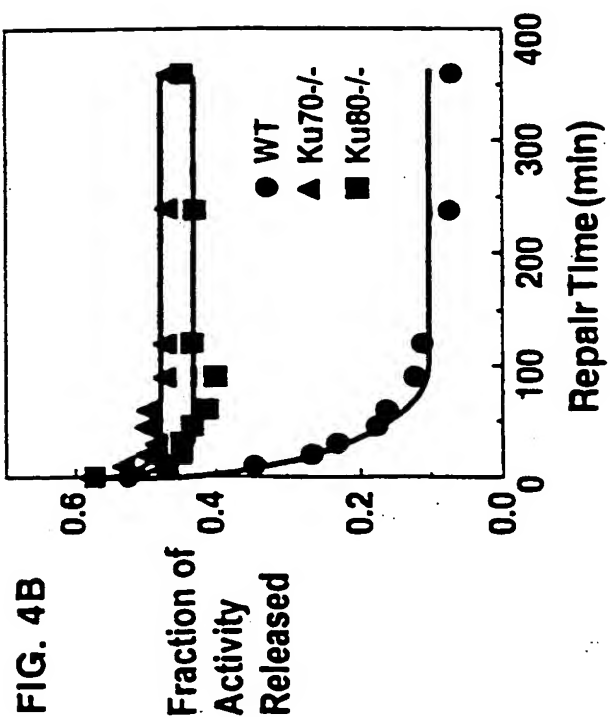
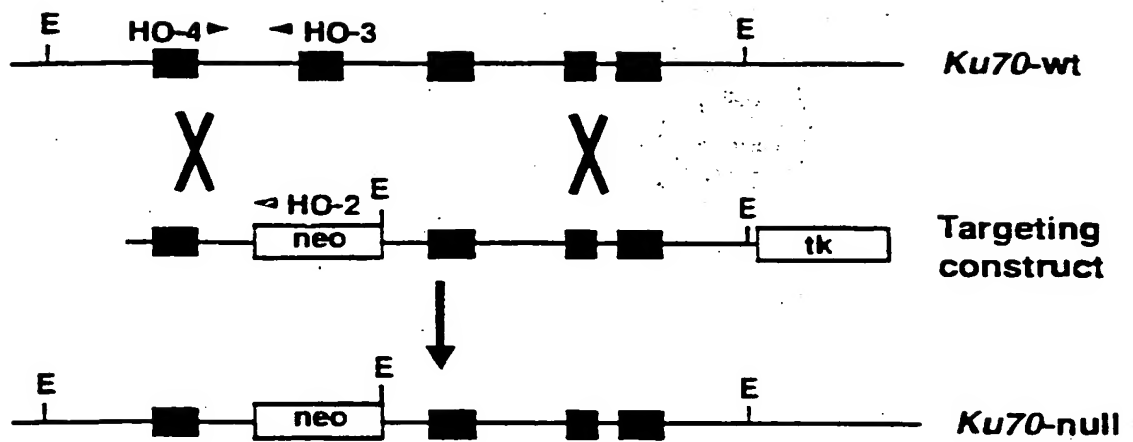
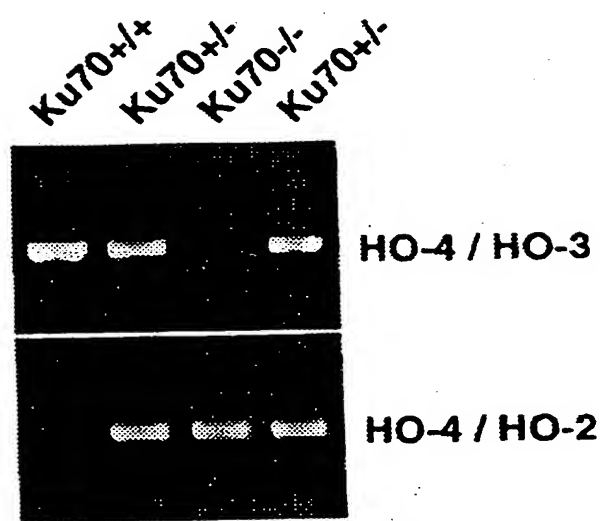


FIG. 5A



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FIG. 5B



11/31

FIG. 5C

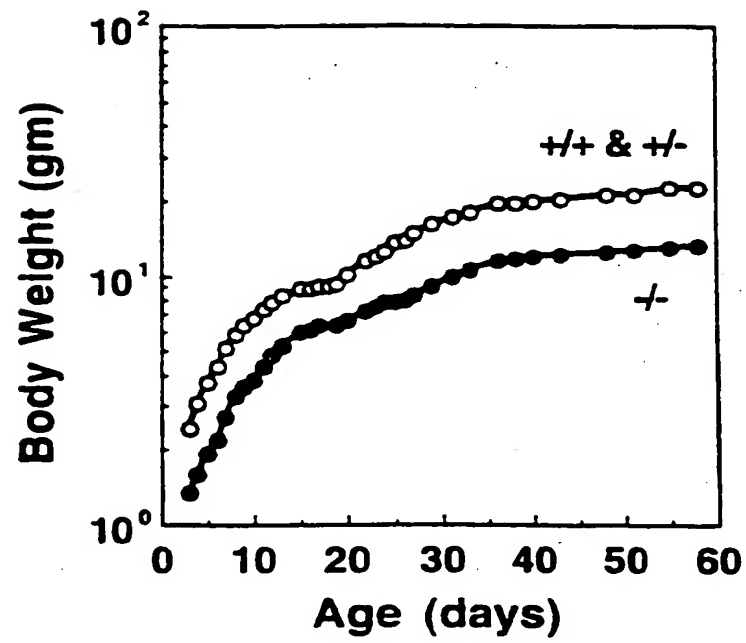
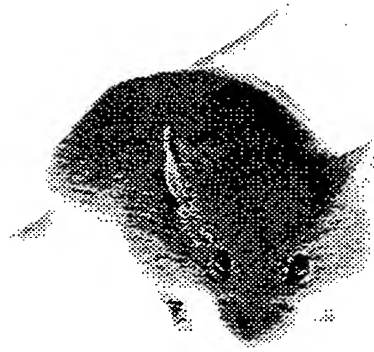


FIG. 5D

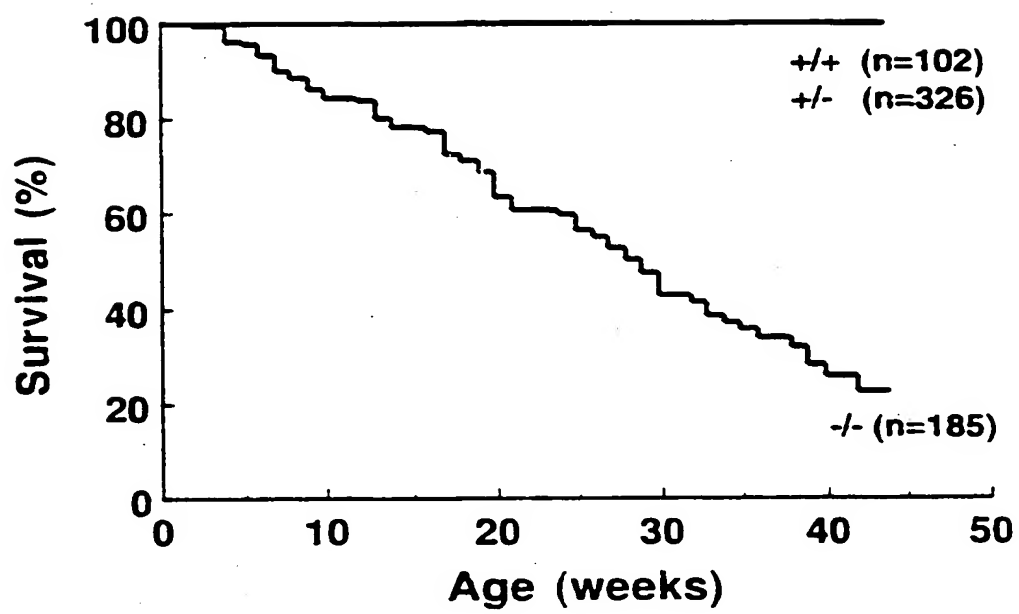


**Ku70 +/+**



**Ku70 -/-**

FIG. 6



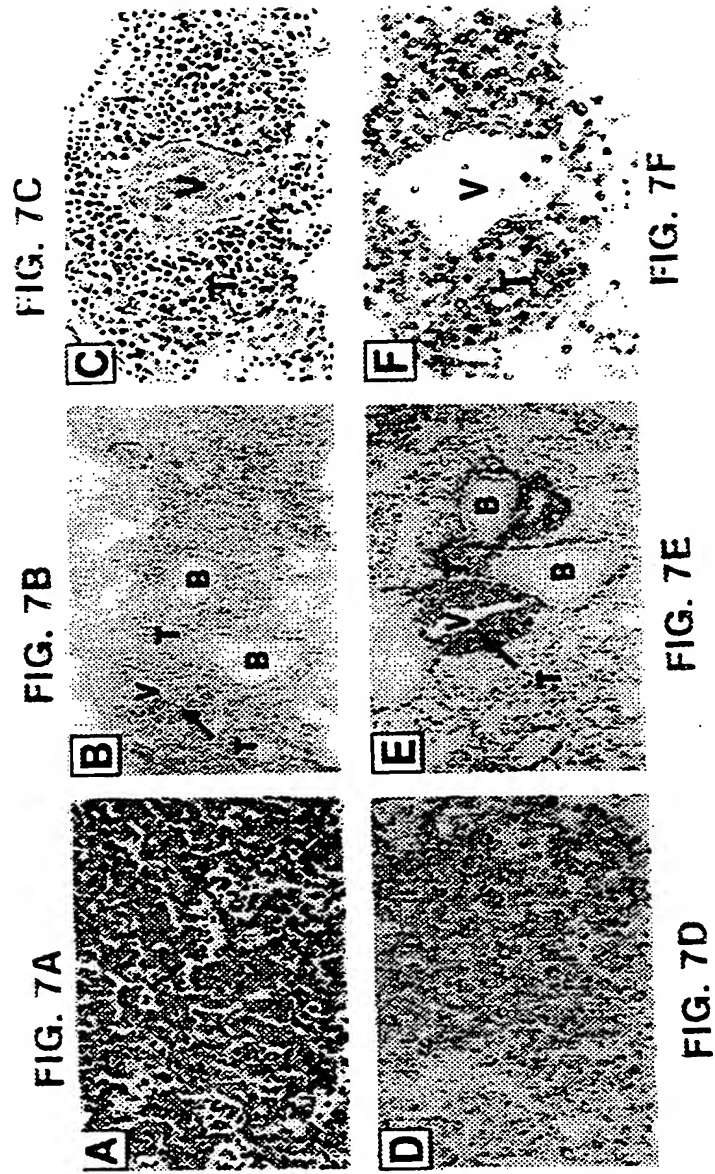


FIG. 7G-1

FIG. 7G-2

FIG. 7G-3

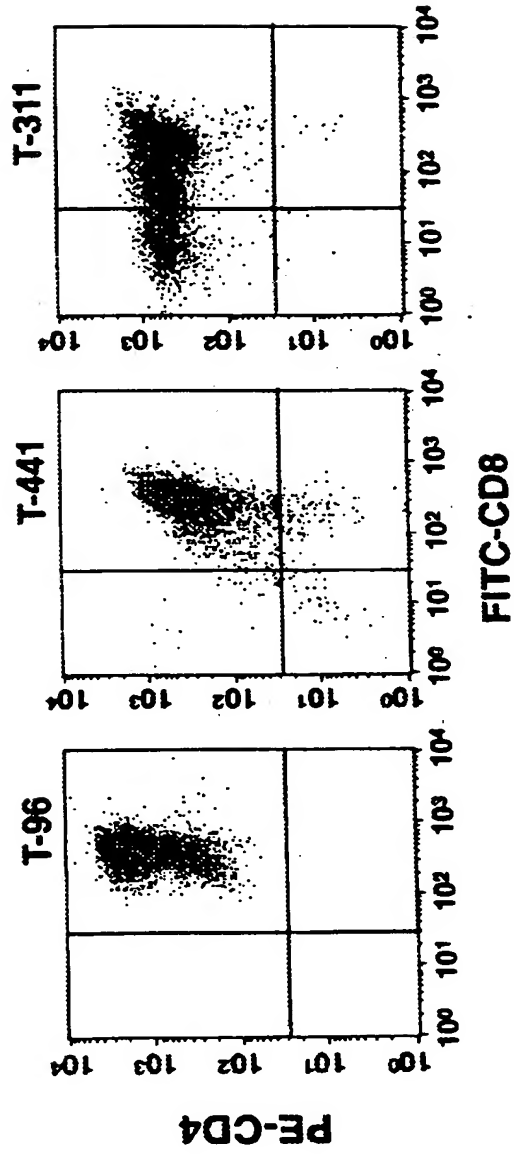




FIG. 8A

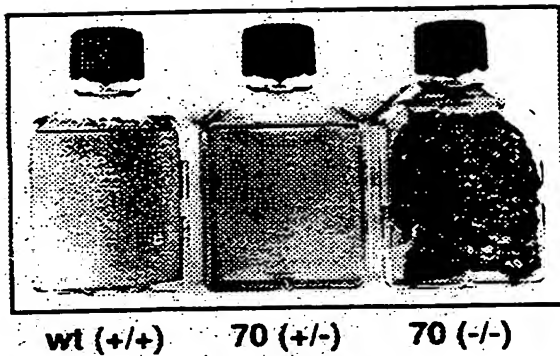


FIG. 8B

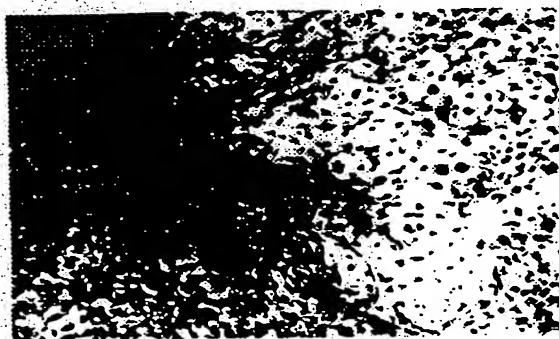


FIG. 8C

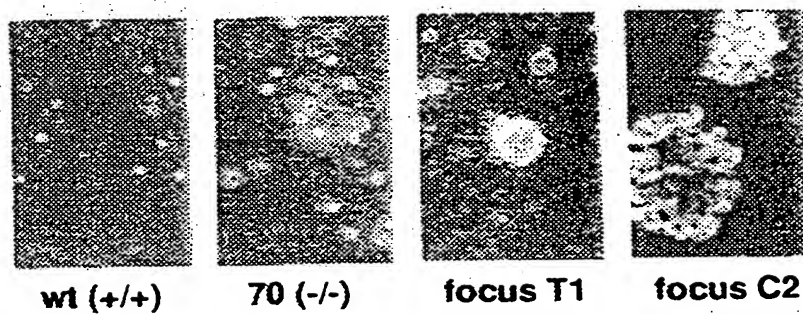


FIG. 9A

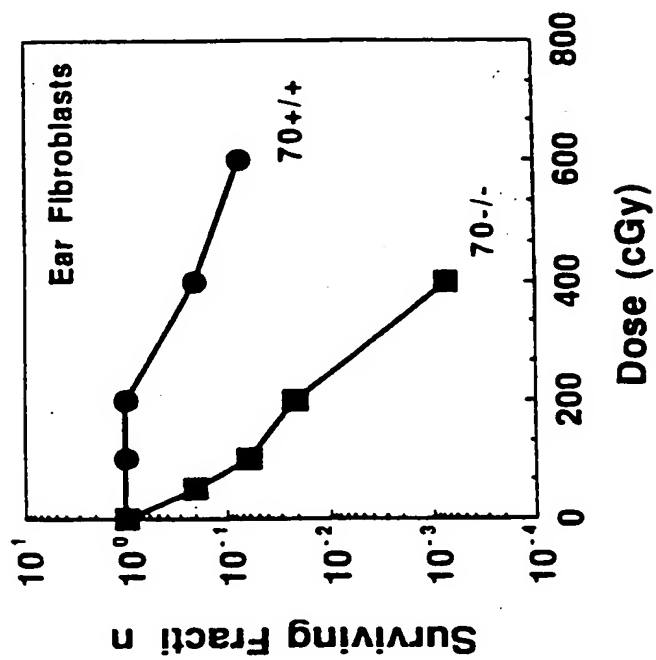


FIG. 9B

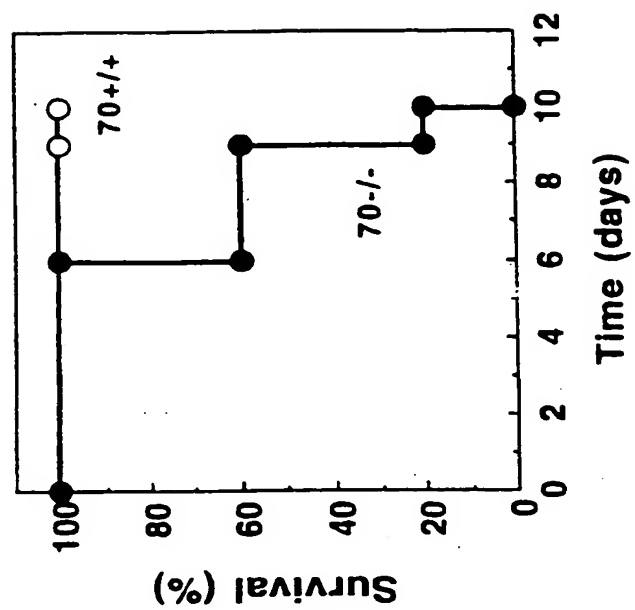


FIG. 10A



FIG. 10B

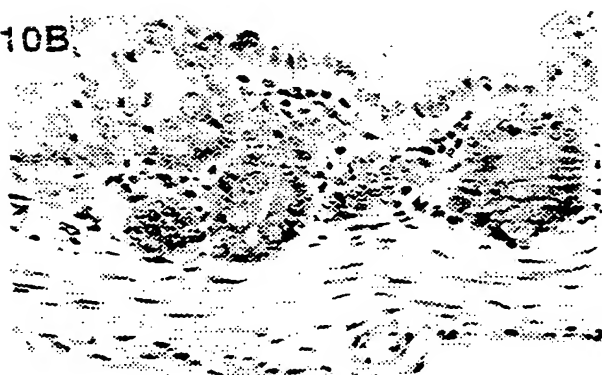


FIG. 10C

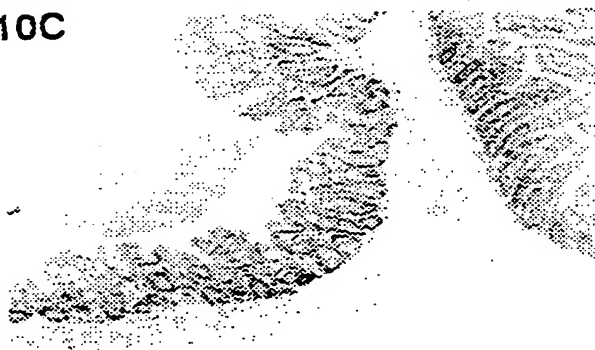


FIG. 11A

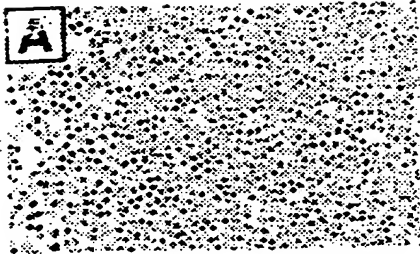


FIG. 11D

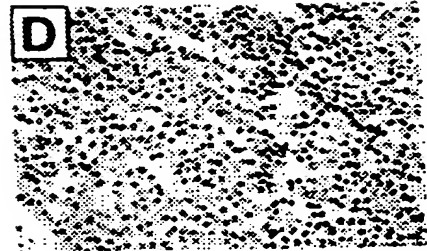


FIG. 11B

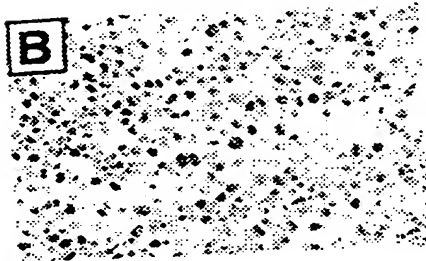


FIG. 11E

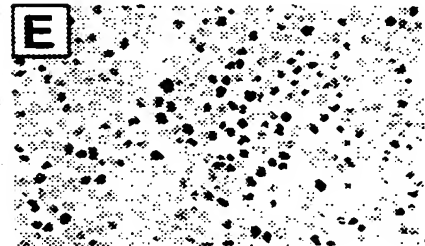


FIG. 11C

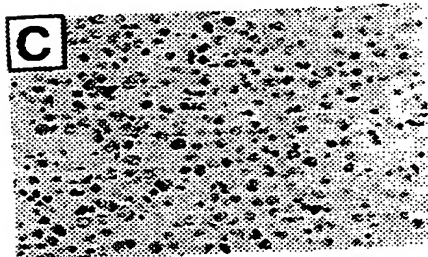


FIG. 11F

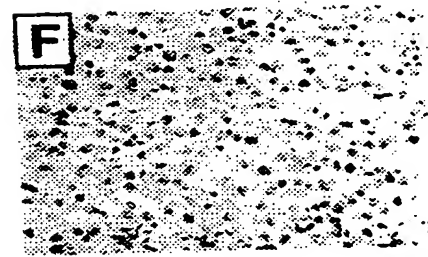


FIG. 11G

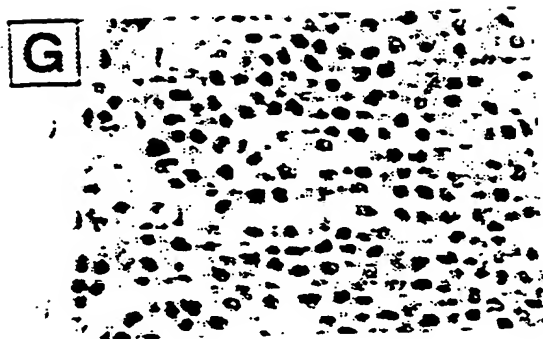


FIG. 11H-1

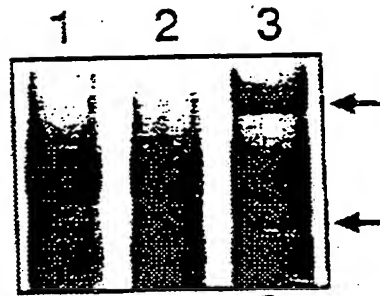


FIG. 11H-2

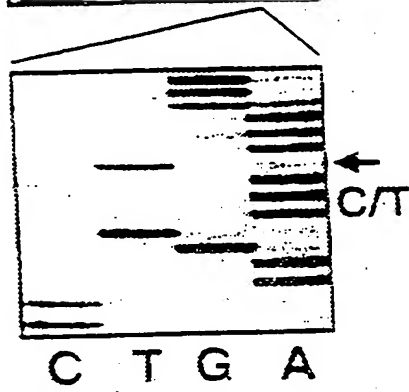


FIG. 11J

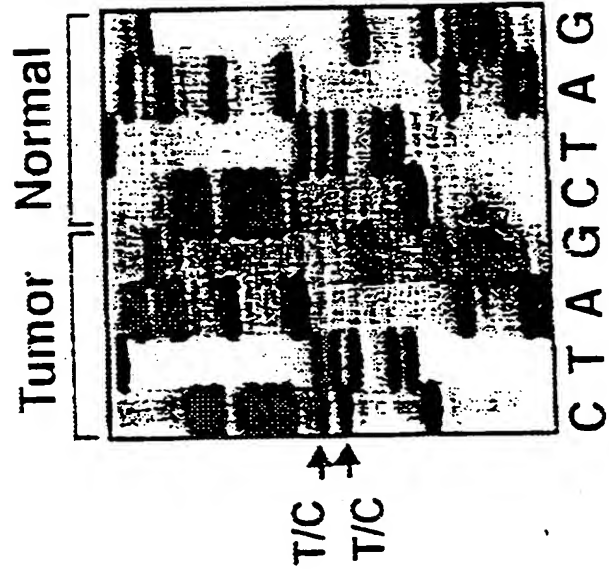


FIG. 11I



FIG. 12A

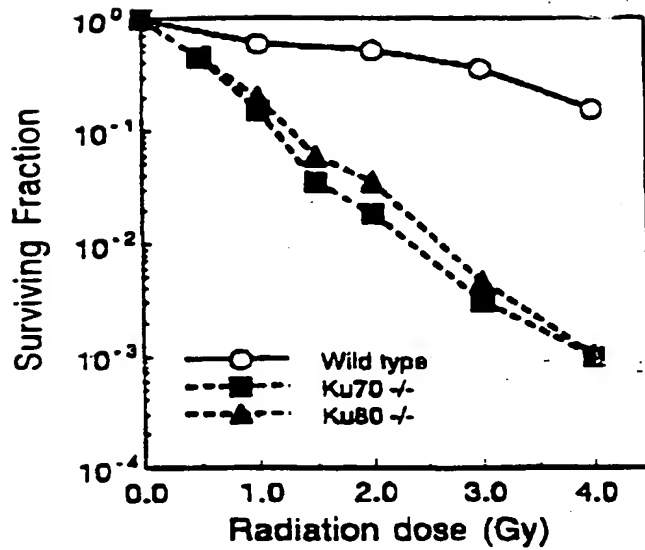


FIG. 12B

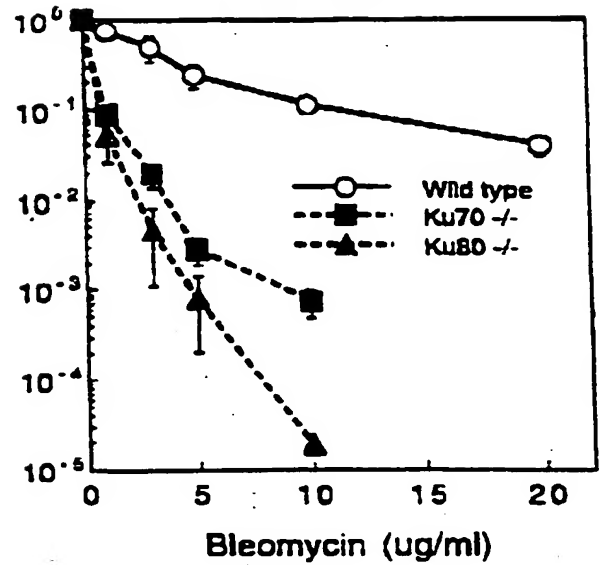


FIG. 12C

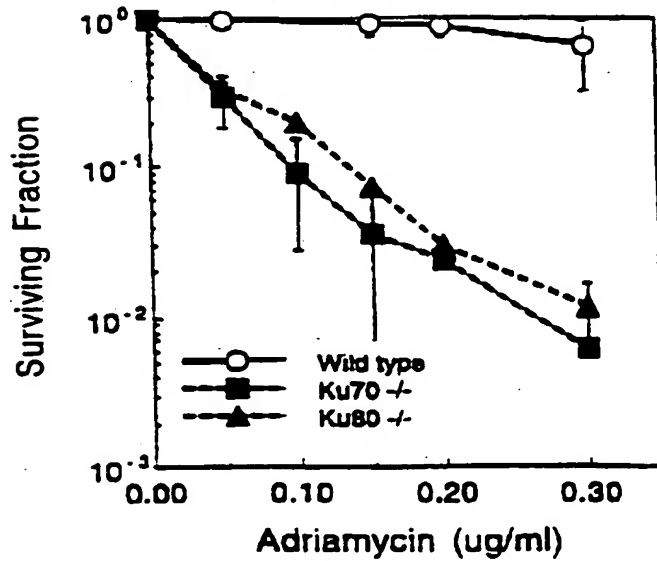


FIG. 12D

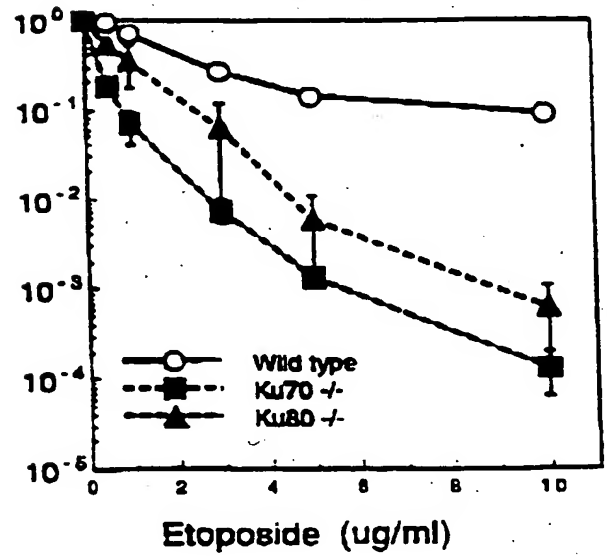


FIG. 13B

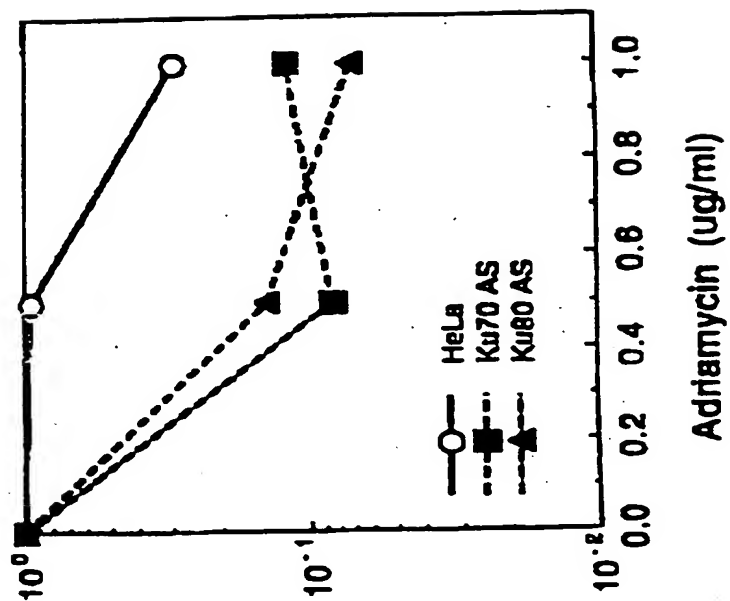


FIG. 13A

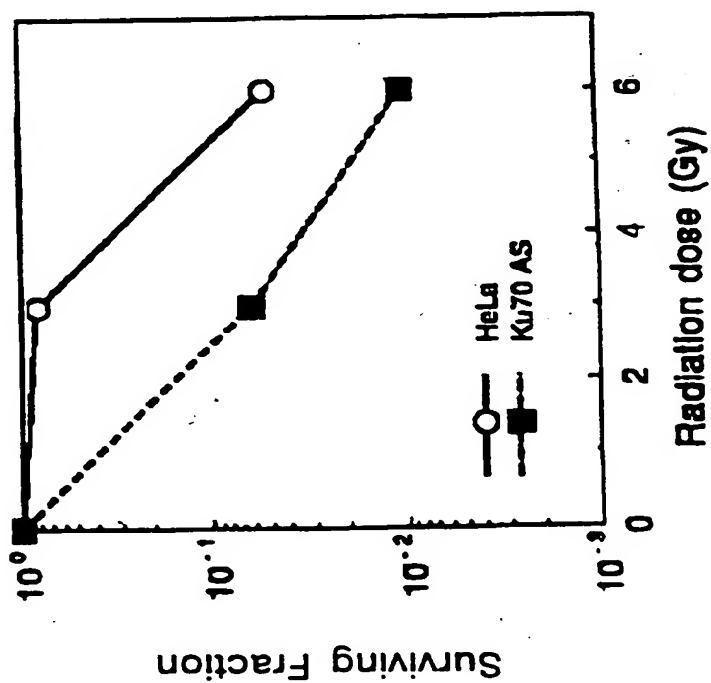




FIG. 14

| V <sub>n</sub> 8.1  |    | P                     | N | D <sub>n</sub> 2.1    | N   | P | J <sub>n</sub> 2.6                      |  |
|---|----|-----------------------|---|-----------------------|-----|---|---|--|
| <u>AGCTGTATATTTCTGTGCCAGCAGTGATG</u>  |    |                       |   | <u>GGGACTGGGGGGGC</u> |     |   | <u>CTCCTATGAACAGTACTTCGGTCCCGGCACCA</u> |  |
| AGCTGTATATTTCTGTGCCAGCAGTG<br>AGCTGTATATTTCTGTGCCAGC<br>AGCTGTATATTTCTGTGCCAGC<br>AGCTGTATATTTCTGTGCCAGCAGTGA   |    | CGACA<br>CTG          |   | GGAC                  | AGT |   | TGAACAGTACTTCGGTCCCGGCACCA (2)          |  |
|   |    |                       |   | GG                    |     |   | CTCCTATGAACAGTACTTCGGTCCCGGCACCA        |  |
|   |    |                       |   | GGGA                  |     |   | CTATGAACAGTACTTCGGTCCCGGCACCA           |  |
|   |    |                       |   |                       |     |   | GAACAGTACTTCGGTCCCGGCACCA               |  |
| V <sub>n</sub> 8.2  |    | P                     | N | D <sub>n</sub> 2.1    | N   | P | J <sub>n</sub> 2.6                      |  |
| <u>ATCAGTGTACTTCTGTGCCAGCGGTGATG</u>  |    |                       |   |                       |     |   |   |  |
| ATCAGTGTACTTCTGTGCCAGCGGTG<br>ATCAGTGTACTTCTGTGCCAGCGG<br>ATCAGTGTACTTCTGTGCCAGCGGTA<br>ATCAGTGTACTTCTGTGCCAGC<br>ATCAGTGTATTTCTGTGCCAGC<br>ATCAGTGTACTTCTGTGCCAGCGGTGA |    | GCC<br><br><br><br>CA |   | G                     | TT  |   | TGAACAGTACTTCTGGTCCCGGCACCA             |  |
|   |    |                       |   |                       |     |   | GAACAGTACTTCTGGTCCCGGCACCA              |  |
|   |    |                       |   | GG                    |     |   | GTACTTCTGGTCCCGTCCAGGCTCCA              |  |
|   |    |                       |   | GG                    |     |   | CTCCTATGAACAGTACTTCTGGTCCCGGCACCA       |  |
|   |    |                       |   | GGGA                  |     |   | TGAACAGTACTTCTGGTCCCGGCACCA             |  |
|   |    |                       |   |                       |     |   | CTCCTATGAACAGTACTTCTGGTCCCGGCACCA       |  |
| V <sub>n</sub> 8.3  |    | P                     | N | D <sub>n</sub> 2.1    | N   | P | J <sub>n</sub> 2.6                      |  |
| <u>ATCTTTGTACTTCTGTGCCAGCAGTGATG</u>  |    |                       |   |                       |     |   |   |  |
| ATCTTTGTACTTCTGTGCCAGCAGTGATG<br>ATCTTTGTACTTCTGTGCCAGC<br>ATCTTTGTACTTCTGTGCCAGCAGTGAT<br>ATCTTTGTACTTCTGTGCCAGCAGTGAT<br>ATCTTTGTACTTCTGTGCCAGCAGTGAT                 | CA |                       |   | GGGG                  | C   |   | CCTATGAACAGTACTTCTGGTCCCGGCACCA         |  |
|   |    |                       |   | TG                    |     |   | TACTTCTGGTCCCGGCACCA                    |  |
|   |    |                       |   | TGGG                  |     |   | CCTATGAACAGTACTTCTGGTCCCGGCACCA         |  |
|   |    |                       |   |                       |     |   | CCTATGAACAGTACTTCTGGTCCCGGCACCA         |  |
|   |    |                       |   |                       |     |   | CCTATGAACAGTACTTCTGGTCCCGGCACCA         |  |

FIG. 15A

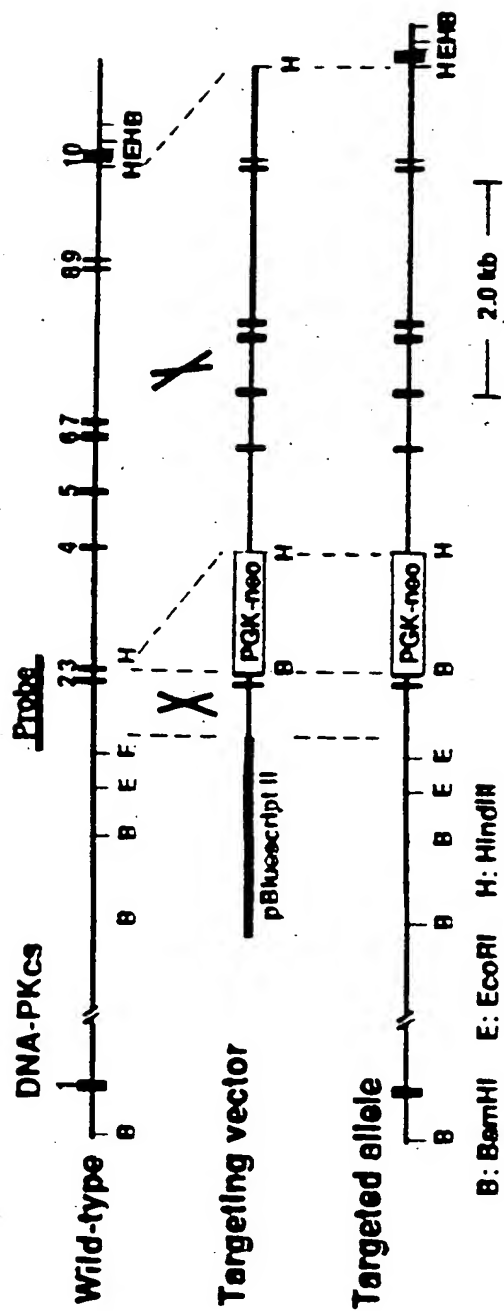


FIG. 15B

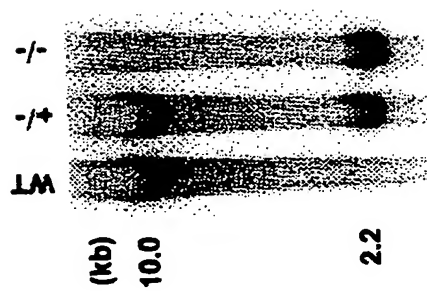


FIG. 15C

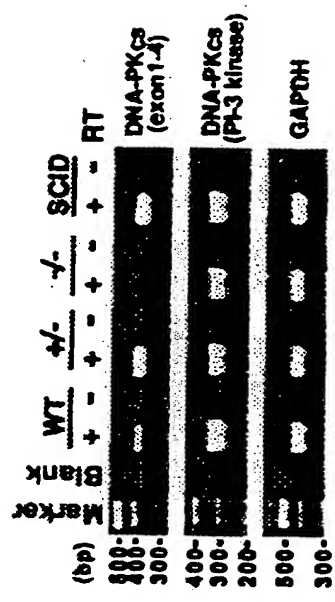
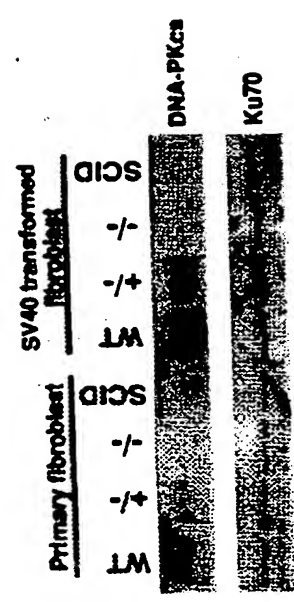


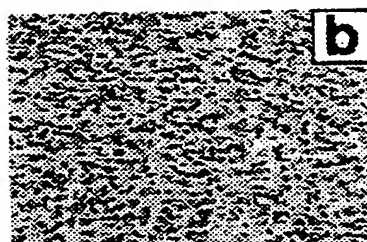
FIG. 15D



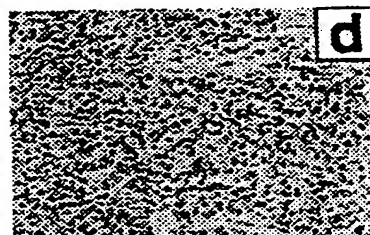
**FIG. 16A-1**  
**Wild Type**

**FIG. 16A-2**  
**PKcs<sup>-/-</sup>**

**Thy**



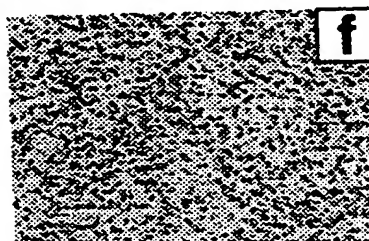
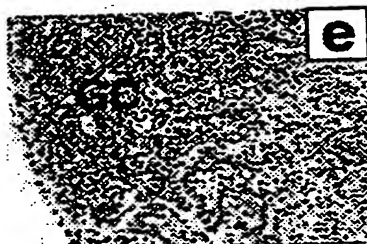
**Spl**



**FIG. 16A-3**

**FIG. 16A-4**

**LN**



**FIG. 16A-5**

**FIG. 16A-6**

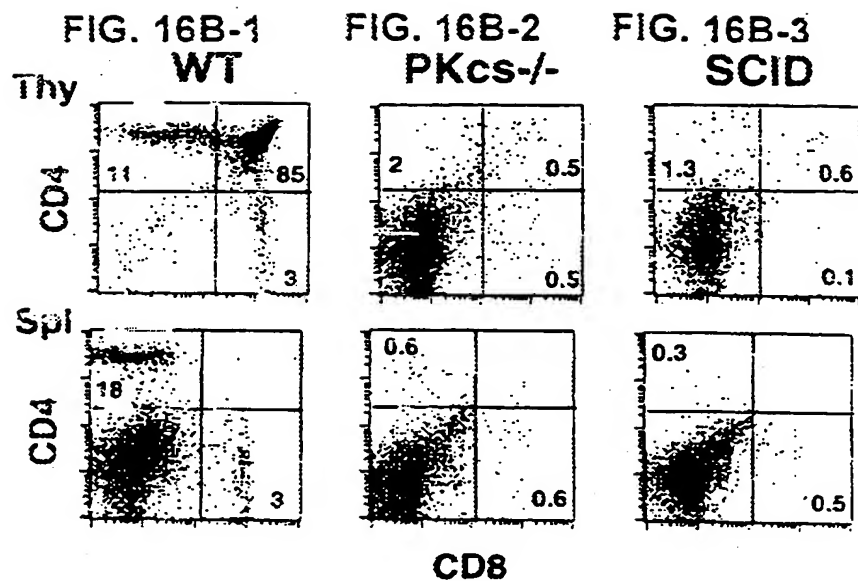


FIG. 16B-4 FIG. 16B-5 FIG. 16B-6

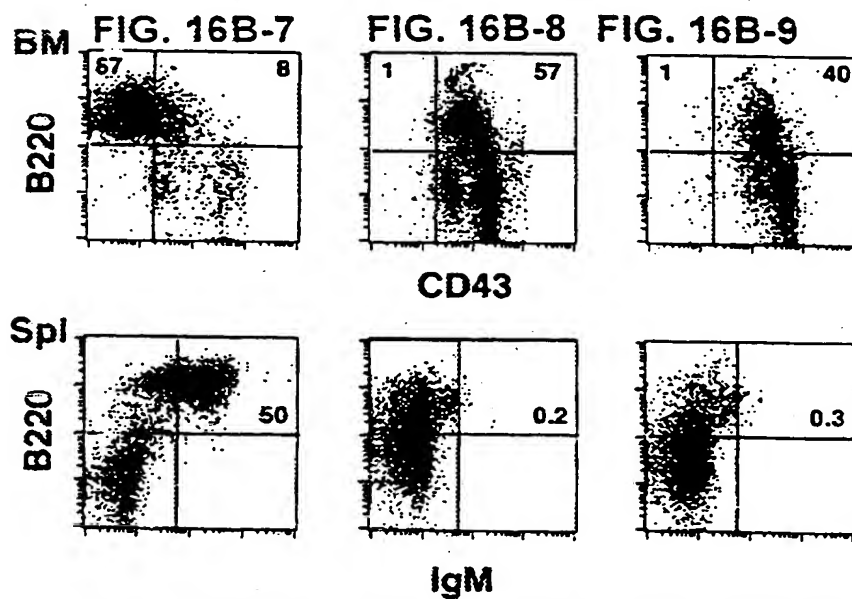


FIG. 16B-10 FIG. 16B-11 FIG. 16B-12

FIG. 16C-1

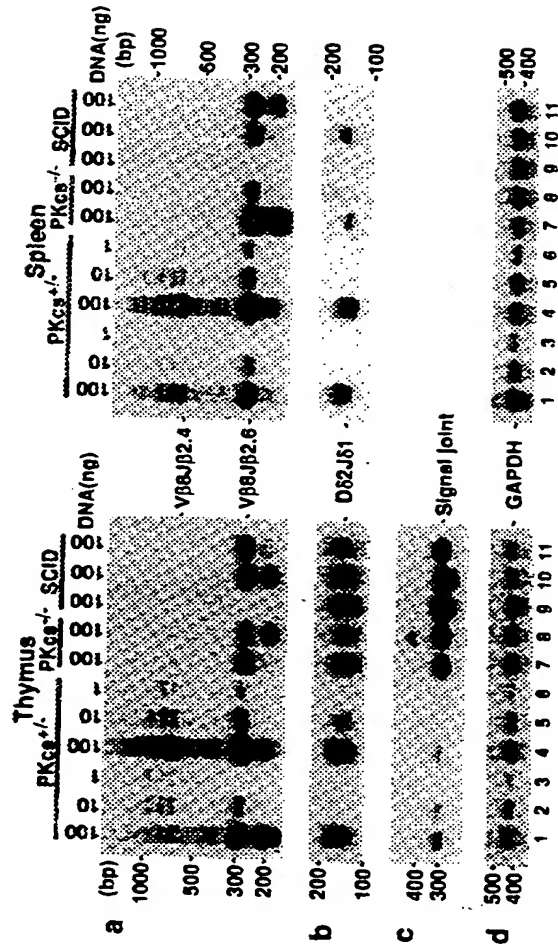


FIG. 16C-2

FIG. 16C-3

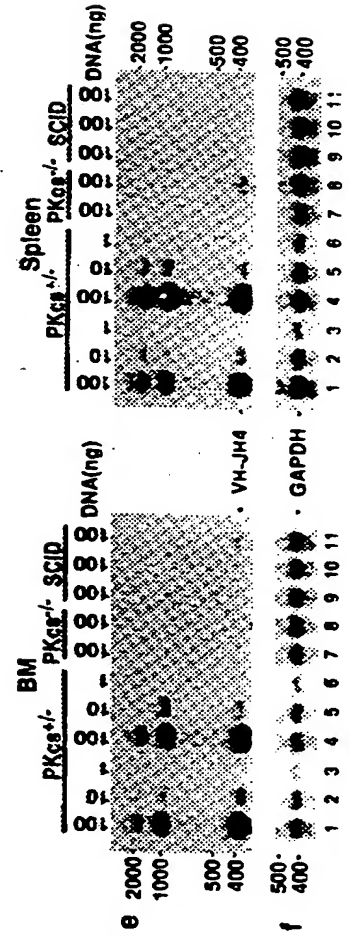


FIG. 16C-4

FIG. 17

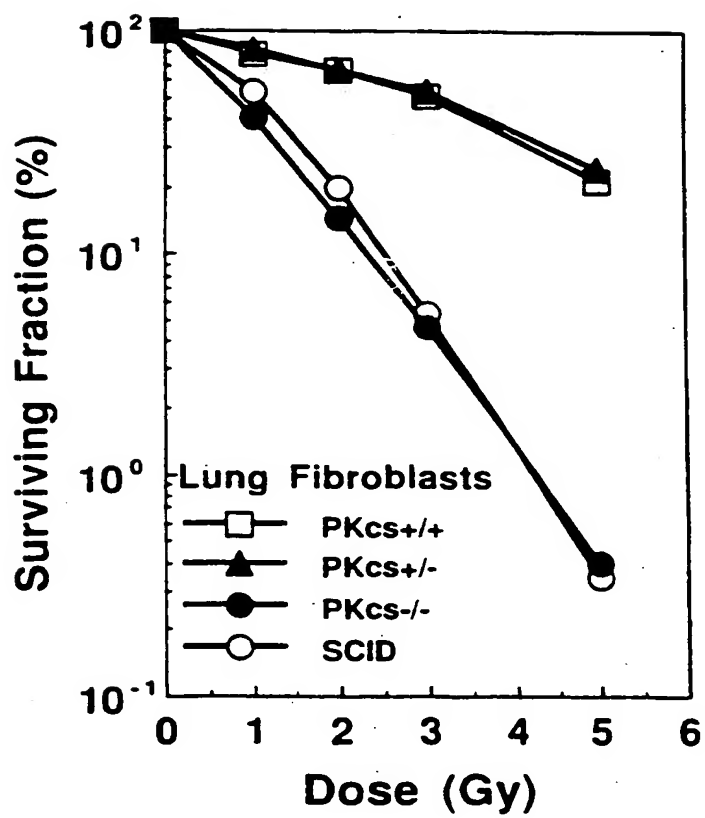


FIG. 18A



FIG. 18C

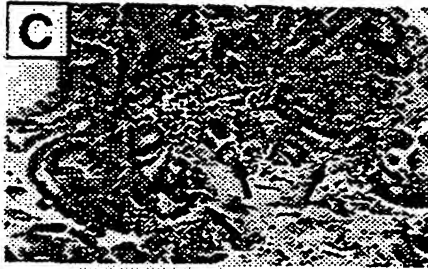


FIG. 18B



FIG. 18D



FIG. 18E